Sounds of Music

Can’t help much here except give you equation you (presumably) know.

**Open Pipe**

Where *f* is the frequency, *n* is some whole number, v is the speed of sound (343 m/s ad 20 C), and *L* is the length of the tube in meters. *D* is the diameter of the tube, if you want a more accurate answer.

**Closed Pipe**

Where *f* is the frequency, *n* is some whole number, v is the speed of sound (343 m/s and 20 C), and *L* is the length of the tube in meters. *D* is the diameter of the tube, if you want a more accurate answer.

**Frequency**

Where *n* is the number of half steps above A4.

**Strings**

*T* is the tension of the string, and *ρ* is the linear mass density of the string.

The equation the same as for an open pipe

**Music**

St. Anthony’s Chorale – I’m sure you two can play this.